

CALTRANS MAINTENANCE



Steve Takigawa

CHIEF, DIVISION OF MAINTENANCE

California Department of Transportation

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PPTG 2005 FORUM

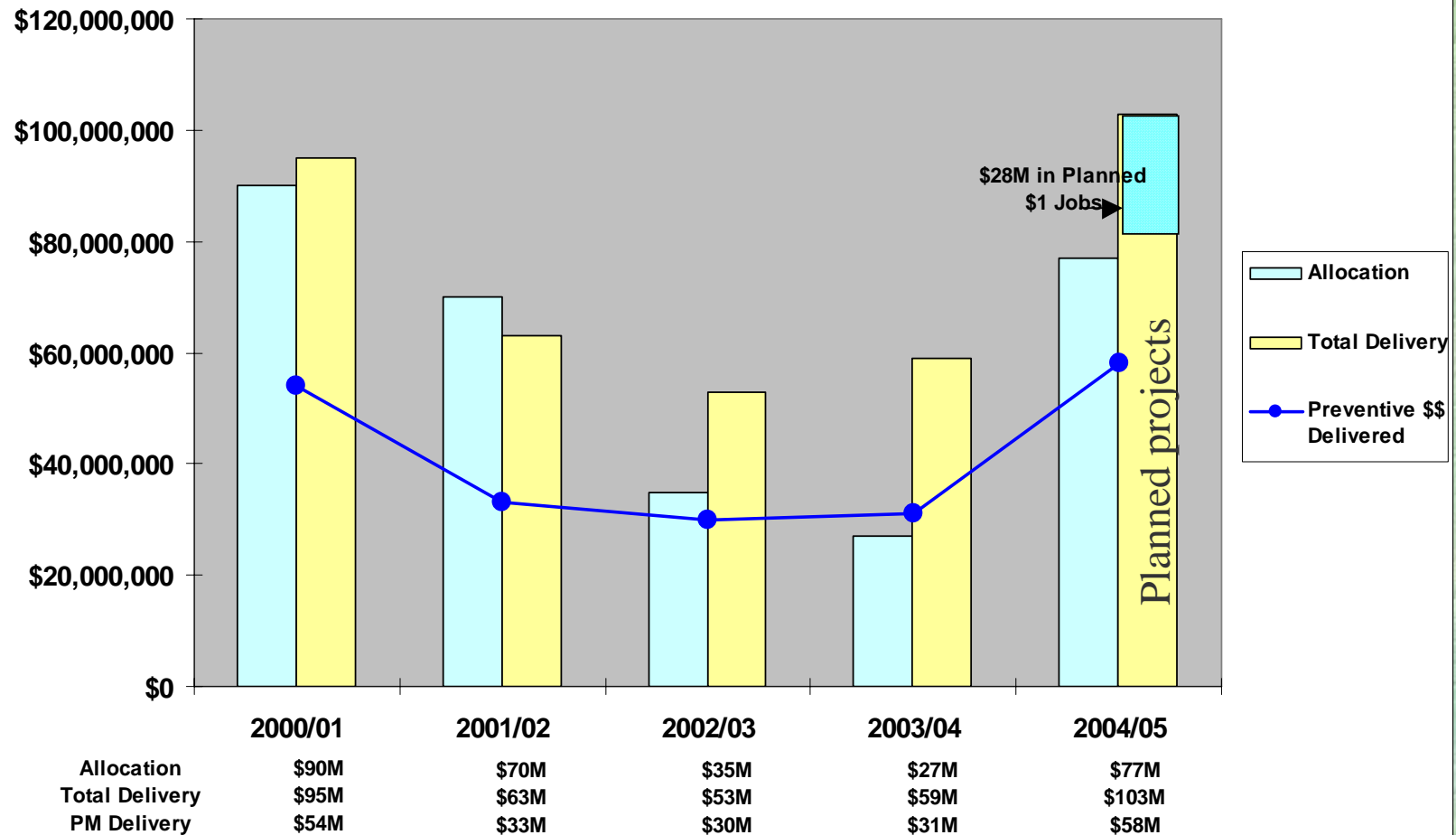
Pavement Preservation

- ❑ Guiding Principles
- ❑ Pavement Preservation History
- ❑ New Legislation (5-Year Maintenance Plan)
- ❑ Maintenance Budget
- ❑ Innovation Initiative
- ❑ Partnering-Ensuring Success

Guiding Principles

- ❑ Vision
- ❑ Commitment
- ❑ Responsibilities
- ❑ Authority & Empowerment
- ❑ Accountability
- ❑ Credibility
- ❑ Innovation
- ❑ Just Do it - Get it Done

Pavement Preservation History



5-Year Maintenance Plan

- ❑ Needs based preservation plan
- ❑ Identify pavement backlogs
- ❑ Illustrate alternatives:
 - ❑ Current funding
 - ❑ Steady State
 - ❑ Steady State plus reduced backlog in 5-years
- ❑ Estimate cost benefit ratio
- ❑ Estimate dollars and lane-miles that would be delayed in the SHOPP

Goals for Highway Maintenance

- ❑ Continue to invest in Pavement Preservation regardless of reductions
- ❑ Failure avoidance through preventive treatment management.
 - ❑ Reduce the maintenance effort and cost
 - ❑ Optimize pavement life
 - ❑ Reduce wear and tear to vehicles
 - ❑ Delay need to REHAB
- ❑ Use of lower cost Strategies
- ❑ Increase District confidence in low cost strategies
- ❑ Provide surface treatments to more lane-miles

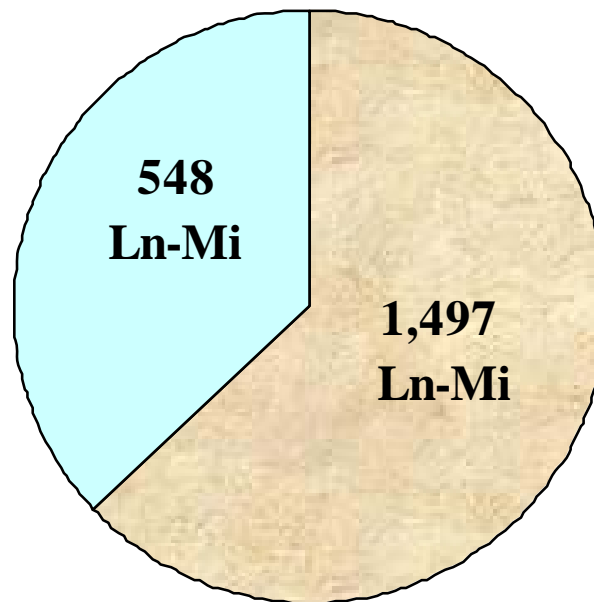
Accountability

- ❑ 5- Year Plan requires accountability
- ❑ Act early to delay deterioration and failure.
- ❑ Delaying preservation results in more expensive strategies that require longer delays.
- ❑ Ensure success
 - ❑ Plan the work and work the plan
 - ❑ Apply the right strategy at the right time
 - ❑ Doing things right the first time
 - ❑ No redirection
 - ❑ Measure Performance

HM-1 Major Maintenance Contracts

Preventive vs Corrective
Fiscal Year 2004/05

Corrective
(\$26 Million)
37%



\$71 Million
2,045 Ln-Mi

Preventive
(\$45 Million)
63%

Innovation Initiative-\$2.7 Million

❑ Encourage the **DEPLOYMENT** of innovation

- ❑ European Gap Graded Mix
- ❑ Rubberized Bonded Wearing Course
- ❑ Hot-in-place Recycling
- ❑ Non-Standard Special Provisions (NSSP)
- ❑ Performance Warranty vs Materials and Workmanship Warranty
- ❑ Maintenance Technical Advisory Guide (MTAG)

Partnering Ensures Success

❑ Public- Customer Survey

- ❑ Recognize and strive to meet needs

❑ Field- Maintenance Pavement Committee, PST

- ❑ Working together from the start – from strategy selection to specification to construction

❑ Industry- Pavement Preservation Task Group, Service Contracts

- ❑ Empowered to make decisions
- ❑ Increased credibility
- ❑ Shared resources
- ❑ Innovation and technology transfer

Any Questions?